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**west virginia** department of environmental protection

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Office of Oil and Gas  
601 57th Street SE  
Charleston, WV 25304  
(304) 926-0450  
(304) 926-0452 fax

Earl Ray Tomblin, Governor  
Randy C. Huffman, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

January 16, 2015

**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-1702088, issued to EQT PRODUCTION COMPANY, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalties being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.



James Martin  
Chief

Operator's Well No: 4869  
Farm Name: LEESON  
**API Well Number: 47-1702088**  
**Permit Type: Plugging**  
Date Issued: 01/16/2015

**Promoting a healthy environment.**

## PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

### CONDITIONS

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1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.

1702088P

Form WW-4 (B)  
Permit Copy  
(Rev 2/01)

Date: October 6, 2014  
Operator's Well  
Well No. 604869 (J. Leeson #4869)  
API Well No.: 47 017 - 02088

STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS

CK# 18337  
\$100.00

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

- 4) Well Type: Oil  Gas  Liquid Injection  Waste Disposal:   
If Gas, Production  Or Underground storage  Deep  Shallow
- 5) Elevation: 1163 ft. Watershed: Straight Fork  
Location: South West 4 County: Doddridge Quadrangle: Oxford 526  
District: \_\_\_\_\_
- 6) Well Operator: EQT Production Company  
120 Professional Place  
Address: Bridgeport, WV 26330
- 7) Designated Agent: Rex C. Ray  
Address: 120 Professional Place  
Bridgeport, WV 26330
- 8) Oil & Gas: Douglas Newlon  
Name: 4060 Dutchman Road  
Address: Macfarlan, WV 26148
- 9) Plugging Contractor:  
Name: HydroCarbon Well Service  
Address: PO BOX 995  
Buckhannon, WV 26201

- 10) Work Order: The work order for the manner of plugging this well is as follows:  
**See Attachment for details and procedures.**

RECEIVED  
Office of Oil and Gas

DEC 01 2014

WV Department of  
Environmental Protection

OK gwm

OFFICE USE ONLY

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector \_\_\_\_\_ Date \_\_\_\_\_

PLUGGING PROGNOSIS - Weston

**Leeson, J. # 4869 (604869)**

Doddridge Co., West Virginia  
API # 47-017-02088  
Southwest Quad

BY: Craig Duckworth  
DATE: 9/24/14

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Environmental Protection

**CURRENT STATUS:**

10" csg @ 374'  
8 1/4" csg @ 1006'  
6 5/8" csg @ 1908' ( Pulled )

TD @ 2079' Plugged Back to 1915'

Fresh Water @ None reported      Salt Water @ None reported  
1<sup>st</sup> Salt Sand @ 1290'      Coal @ None reported  
Gas Shows @ 3<sup>rd</sup> Salt Sand @ 1582 ; Maxon Sand @ 1707'- 1710'  
Oil Shows @ None reported  
Stimulation: None reported      SHOT 11/16/1929      gmm  
Elevation: ?????'      1163'

1. Notify State Inspector, Douglas Newlon 304-932-8049, 24 hrs. Prior to commencing operations.
2. TIH w/ tbg @ 1915'; gel hole @ 1915' to 1710'.
3. TOOH w/ tbg @ 1710'; Set 200' C1A Cement Plug @ 1710' to 1510' ( Gas Shows @ Maxon Sand 1707'- 1710' ; 2<sup>nd</sup> Salt Sand 1582' )
4. TOOH w/ tbg @ 1510'; gel hole @ 1510' to 1290'
5. TOOH w/ tbg @ 1290'; Set 100' C1A Cement Plug @ 1290' to 1190' ( 1<sup>st</sup> Salt Sand @ 1290' )
6. TOOH w/ tbg @ 1190'; gel hole @ 1190' to 1056'.
7. TOOH w/ tbg, Free Point 8 1/4", cut 8 1/4" @ free point, TOOH w/ 8 1/4" csg
8. TIH w/ tbg @ 1056' ; Set 100' C1A Cement Plug @ 1056' to 956' ( 8 1/4" casing seat )
9. Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all FW, Coal, Oil and Gas shows below 8 1/4" cut.  
Do not omit any plugs
10. TOOH w/ tbg @ 956'; gel hole @ 956' to 424'
11. TOOH w/ tbg, Free Point 10", cut 10" @ free point, TOOH w/ 10" csg
12. TIH w/ tbg @ 424'; Set 100' C1A Cement Plug @ 424' to 324' ( 10" casing seat )
13. Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all FW, Coal, Oil and Gas shows below 10" cut.  
Do not omit any plugs
14. TOOH w/ tbg @ 324'; gel hole @ 324' to 200'.
15. TOOH w/ tbg @ 200'; Set 200' C1A Cement Plug @ 200' to 0' ( Surface)
16. Top off as needed
17. Set Monument to WV-DEP Specifications
18. Reclaim Location & Road to WV-DEP Specifications

1103'

1103 Elevation Plug Elevation 1163

OK  
gmm

DC N  
11-25-2014

1702088A



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

WELL RECORD

Permit No. 017-02088

604819

Oil or Gas Well "GAS"  
(MMS)

Company Pittsburgh & West Va Gas Company.  
Address Clarksburg, West Va.,  
Farm Jackson Leeson Acres \_\_\_\_\_  
Location (waters) Holbrook N/E. 4-3  
Well No. 4869 Elev. \_\_\_\_\_  
District Southwest County Doddridge  
The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_  
Mineral rights are owned by \_\_\_\_\_  
Address \_\_\_\_\_  
Drilling commenced October 26, 1923  
Drilling completed November 26, 1923  
Date Shot 11-16-1929 From \_\_\_\_\_ To 1712'  
With 20 Quarts - Nitro Glycerine.

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
12			
10	<u>374'</u>	<u>374'</u>	Size of
8 1/2	<u>1006'</u>	<u>1006'</u>	
6 3/8	<u>1908'</u>	<u>Filled.</u>	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Open Flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch  
\_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
Volume \_\_\_\_\_ Cu. Ft.  
Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
Fresh water \_\_\_\_\_ feet \_\_\_\_\_ feet  
Salt water \_\_\_\_\_ feet \_\_\_\_\_ feet

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_  
COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Clay	Red	Soft	0	13			
Sand	Yellow	"	13	62			
Slate	Red	"	62	130			
Sand	White	Hard	130	145			
Slate	Pink	Soft	145	150			
Sand	White	Hard	150	155			
Slate	Red	Soft	155	220			
Sand	Dark	Hard	220	245			
Slate	White	Soft	245	265			
Slate	Red	Soft	265	375			
Lime	Dark	Hard	375	385			
Slate	Red	Soft	385	455			
Lime	White	Hard	455	515			
Slate	Black	Soft	515	530			
Lime	Dark	Hard	530	545			
Slate	White	Soft	545	580			
Sand	"	Hard	580	610			
Slate	"	Soft	610	620			
Shale	Red	"	620	640			
Sand	White	Hard	640	648			
Slate	Pink	Medium	648	660			
Red Rock	Red	Soft	660	680			
Lime	Dark	Hard	680	690			
Red Rock	Red	Soft	690	730			
Sand	White	Hard	730	770			
Lime	"	Hard	770	785			
Slate	Pink	Soft	785	810			
Slate	Pink	"	810	840			
Lime	White	Hard	840	860			
Red Rock	Red	Soft	860	885			
Lime	White	Hard	885	900			
Slate	Dark	Medium	900	930			
Lime	White	Hard	930	945			
Slate	Black	Soft	945	957			
Slate	White	"	957	972			
Big Dunkard Sand	White	Hard	972	1043			
Slate	Black	Soft	1043	1048			
Sand	White	Hard	1048	1060			
Slate	Dark	Soft	1060	1075			

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Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate	White	Soft	1075	1132			
Lime	Dark	Hard	1132	1146			
Slate	"	Soft	1146	1150			
Sand	White	Hard	1150	1165			
Slate	"	Soft	1165	1190			
Gas Sand	"	Hard	1190	1245			
Slate	Black	Soft	1245	1255			
Lime	White	Hard	1255	1262			
Slate	Light	Soft	1262	1290			
1st. Salt Sand	White	Hard	1290	1335			
Slate	"	Soft	1335	1360			
2nd. Salt Sand	"	Hard	1360	1377			
Slate	"	Soft	1377	1380			
2nd. Salt Sand	"	Hard	1380	1410			
Slate	Dark	Soft	1410	1500			
<del>Slate</del>	<del>White</del>	<del>Soft</del>	<del>1500</del>	<del>1595</del>			
<del>Sand</del>	<del>Dark</del>	<del>Hard</del>	<del>1595</del>	<del>1612</del>			
Slate	Dark	Soft	1500	1580			
3rd. Salt Sand	White	Hard	1580	1612	Gas	1582'	
Slate	"	Soft	1612	1614			
4th. Salt Sand	"	Hard	1614	1641			
Slate	"	Soft	1641	1650			
Slate	Dark	"	1650	1704			
Maxon Sand	White	Hard	1704	1734	Gas	1707-1710'	
Slate	"	Soft	1734	1745			
Lime	Dark	Hard	1745	1758			
te	White	Soft	1758	1792			
Lime	Dark	Hard	1792	1810			
Slate	Black	Soft	1810	1824			
Lime	White	Hard	1824	1830			
Slate	Black	Soft	1830	1845			
Little Lime	Dark	Hard	1845	1861			
Slate	Dark		1861	1865			
Lime			1865	1880			
Slate	Black	Soft	1880	1889			
Big Lime			1889	1950			
Big Injun			1950	2017			
Un-recorded			2017	2079			
Total Depth							

Remarks:  
 Hole bridged at 1950'  
 Filled to 1930'  
 Wood Plugs 1930-1924'  
 Filled to 1915'  
 Present Depth 1915'

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WW-4-A  
Revised 6/07

1) Date: October 6, 2014  
2) Operator's Well Number  
604869 (J. Leeson #4869)  
3) API Well No.: 47 017 - 02088  
State County Permit

ck #  
18337  
\$100.00

**STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT**  
**DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS**  
**NOTICE AND APPLICATION TO PLUG AND ABANDON WELL**

4) Surface Owner(s) to be served:  
(a) Name Coastal Forest Resources Co.  
Address P. O. Box 709  
Buckhannon, WV 25201  
(b) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_  
6) Inspector Douglas Newlon  
Address 4060 Dutchman Road  
Macfarlan, WV 26148  
Telephone 304-932-8049

5) (a) Coal Operator:  
Name None  
Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration  
Name Coastal Forest Resources Co.  
P. O. Box 709  
Address Buckhannon, WV 25201  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Coal Lessee with Declaration  
Name None  
Address \_\_\_\_\_

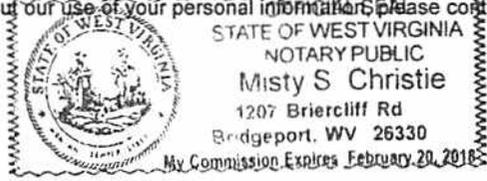
**TO THE PERSONS NAMED ABOVE:** You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
  - (2) The plat (surveyor's map) showing the well location on Form WW-6.
- The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.
- Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Division of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.

Well Operator: EQT Production Company  
By: Victoria J. Roark  
Its: Permitting Supervisor  
Address: PO Box 280  
Bridgeport, WV 26330  
Telephone: (304) 848-0076

Subscribed and sworn before me this 6th day of October, 2014  
Misty S. Christie Notary Public  
My Commission Expires: 2/20/18

The Office of Oil & Gas processes your personal information, such as name, address and phone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).



Received  
Office of Oil & Gas  
NOV 20 2014

1702088P

**EQT**  
C/O Vicki Roark  
P.O. Box 280  
Bridgeport, WV 26330

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> <li>Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	<p>A. Signature <b>X</b> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) C. Date of Delivery</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>1. Article Addressed to:</p> <p>Coastal Forest Resources Co. P. O. Box 709 Buckhannon, WV 25201</p>	<p>3. Service Type</p> <p><input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express™  <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise  <input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery</p>
<p>2. Article Number (Transfer from service label)</p> <p>7014 2120 0003 6736 0044</p>	<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
PS Form 3811, July 2013	Domestic Return Receipt

PS Form 3800, July 2014 See Reverse for Instructions

City, State, ZIP  
Street & Apt. No.  
or PO Box No.

Sent to  
Buckhannon, WV 25201

Total Postage  
Coastal Forest Resources Co.  
P. O. Box 709  
Buckhannon, WV 25201

Postage \$

Certified Fee

Return Receipt Fee (Endorsement Required)

Restricted Delivery Fee (Endorsement Required)

Postmark Here

*Vicki Roark*

7014 2120 0003 6736 0044

7014 2120 0003 6736 0044

**CERTIFIED MAIL**

U.S. Postal Service™  
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Domestic Mail Only  
For delivery information, visit our website at [www.usps.com](http://www.usps.com)

OFFICIAL USE

Plug 604869

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neopost  
11/19/2014  
US POSTAGE  
FIRST-CLASS MAIL  
\$07.40  
ZIP 26330  
041L10228892

**EQT**

C/O Vicki Roark  
P.O. Box 280  
Bridgeport, WV 26330

1702088P

Douglas Newlon  
4060 Dutchman Road  
Mactartan, WV 26148

Plug 604869

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Office of Oil & Gas  
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neopost  
11/19/2014  
US POSTAGE

ZIP 26330  
041L10228892

FIRST-CLASS MAIL  
\$01.61<sup>12</sup>

1702088P

WW-9  
Revised 2/03

Page \_\_\_\_\_ of \_\_\_\_\_  
2) Operator's Well Number  
604869 (J. Leeson #4869)  
3) API Well No.: 47 017 - 02088

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS  
CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM  
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name: EQT PRODUCTION COMPANY OP ID: \_\_\_\_\_  
Watershed: Straight Fork Quadrangle: Oxford  
Elevation: 1163 ft. County: Doddridge District: South West

Description of anticipated Pit Waste: Formation Fluids

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes \_\_\_ No X  
Will synthetic liner be used in the pit? Yes Is so, what ml.? 10 ml

Proposed Disposal Method for Treated Pit Wastes:  
 Land Application  
 Underground Injection - UIC Permit Number \_\_\_\_\_  
 Reuse (at API Number) \_\_\_\_\_  
 Offsite Disposal Permit #. \_\_\_\_\_  
 Other: Explain \_\_\_\_\_

*DCW  
11-25-2014*

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Drilling medium anticipated for this well? Air, freshwater, oil based, etc.  
If oil based, what type? Synthetic, petroleum, etc.

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Additives to be used? \_\_\_\_\_

WV Department of  
Environmental Protection

Will closed loop system be used? \_\_\_\_\_  
Drill Cuttings disposal method? Leave in pit, landfill, remove offsite, etc. \_\_\_\_\_  
If left in pit and plan to solidify what medium will be used? Cement, Lime, sawdust \_\_\_\_\_  
Landfill or offsite name/permit number? \_\_\_\_\_

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Division of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any terms or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.  
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature *Victoria Roark*

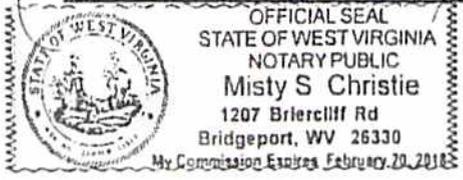
Company Official (Typed or Printed) Victoria Roark

Company Official Title Permitting Supervisor-WV

Subscribed and sworn before me this 6th day of October, 2014

*Misty S. Christie* Notary Public

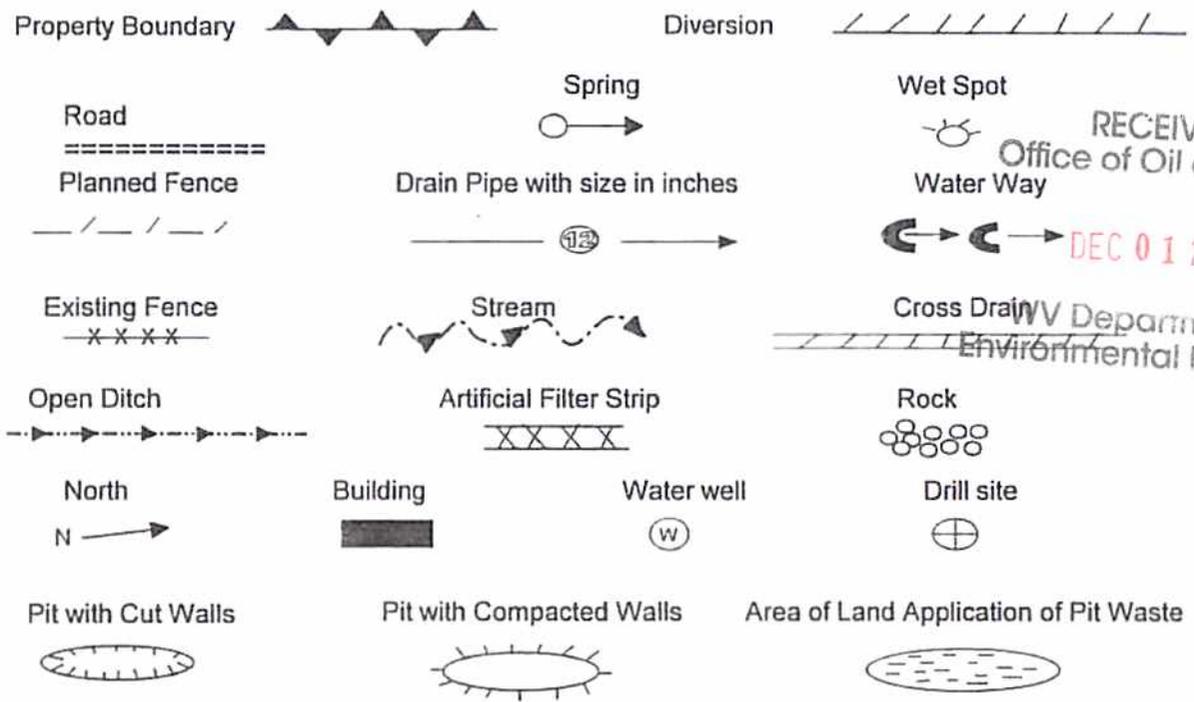
My Commission Expires 2/20/18



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**OPERATOR'S WELL NO.:**  
604869 (J. Leeson #4869)

**LEGEND**



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 WV Department of Environmental Protection

Proposed Revegetation Treatment: Acres Disturbed: 1± Prevegetation pH \_\_\_\_\_

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20) or equivalent 1/3 ton lbs/acre (500 lbs minimum)

Mulch 2 Tons/acre or hydroseed.

**SEED MIXTURES**

Area I		Area II	
Seed Type	lbs/acre	Seed Type	lbs/acre
Red Fescue	40	Red Fescue	15
Alsike Clover	5	Alsike Clover	5
Annual Rye	15		

**ATTACH:**

Drawing(s) of road, location, pit and proposed area for land application.  
 Photocopies section of involved 7.5' topographic sheet.

Plan approved by: *Grando Nuncio*

Comments: *Need Elevation of well for Plug*

Title: *Oil & Gas Inspector* Date: *11-25-2014*

Field Reviewed? Yes  No

1702088P

Topo Quad: Oxford 7.5'

Scale: 1" = 2000'

County: Doddridge

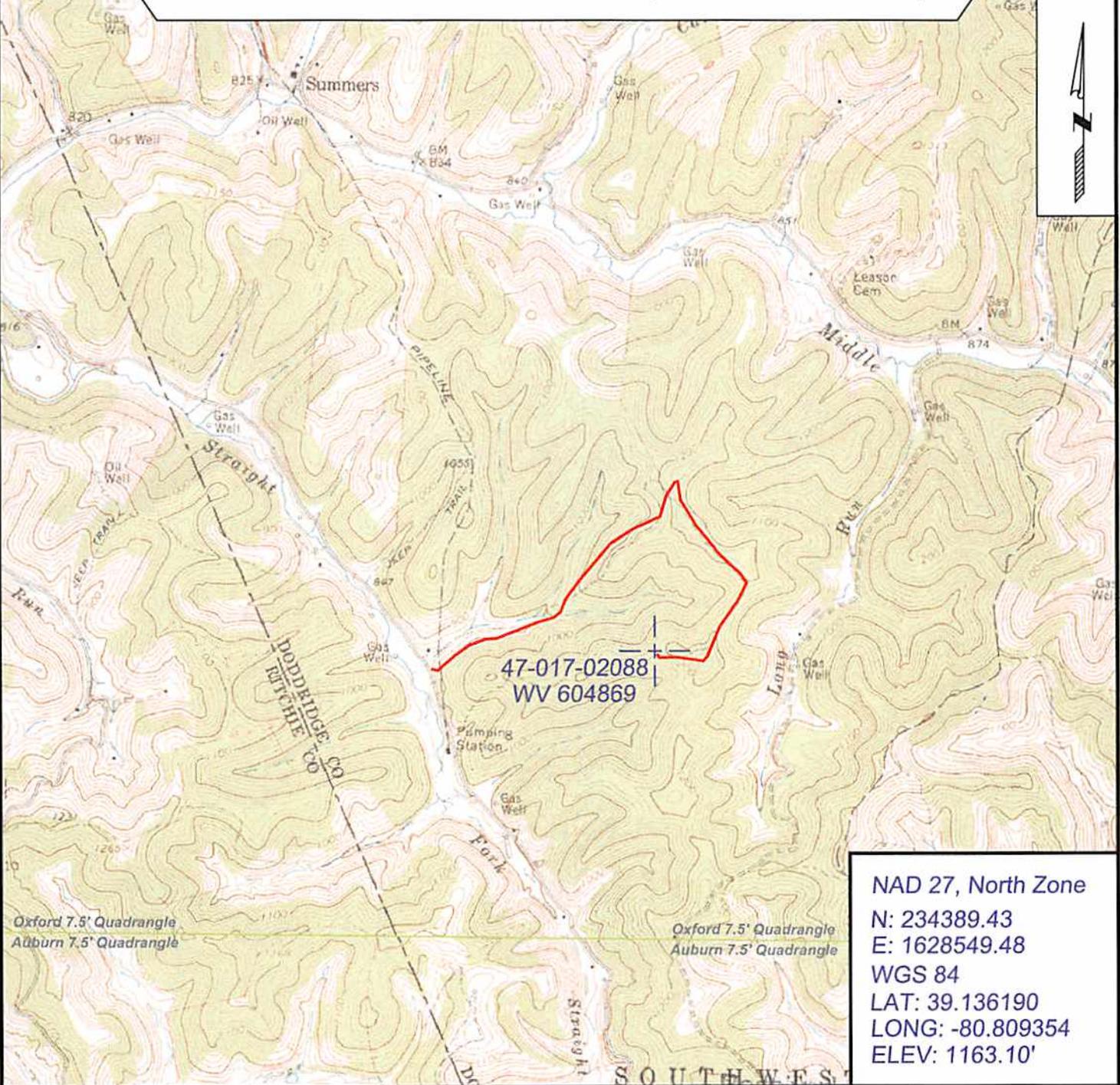
Date: September 29, 2014

District: South West

Project No: 67-30-00-08

47-017-02088 WV 604869 (J. Leeson #4869)

Topo



NAD 27, North Zone  
 N: 234389.43  
 E: 1628549.48  
 WGS 84  
 LAT: 39.136190  
 LONG: -80.809354  
 ELEV: 1163.10'



SURVEYING AND MAPPING SERVICES PERFORMED BY:  
**ALLEGHENY SURVEYS, INC.**  
 1-800-482-8606  
 237 Birch River Road  
 Birch River, WV 26610  
 PH: (304) 649-8606  
 FAX: (304) 649-8608

PREPARED FOR:  
 Office of Oil & Gas  
**EQT Production Company**  
 NOV 20 2014  
 P.O. Box 280  
 Bridgeport, WV 26330

WW-7  
8-30-06



West Virginia Department of Environmental Protection  
Office of Oil and Gas  
**WELL LOCATION FORM: GPS**

API: 47-017-02088 WELL NO.: WV 604869 (J. Leeson #4869)

FARM NAME: Leeson

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Doddridge DISTRICT: South West

QUADRANGLE: Oxford 7.5'

SURFACE OWNER: Coastal Forest Resources Co.

ROYALTY OWNER: Huff Family Trust Decedents Trust B, et al.

UTM GPS NORTHING: 4331907

UTM GPS EASTING: 516477 GPS ELEVATION: 354 m (1163 ft)

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS     : Post Processed Differential       
Real-Time Differential     

Mapping Grade GPS X: Post Processed Differential X  
Real-Time Differential     

4. Letter size copy of the topography map showing the well location.

I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

  
Signature

PS # 2180  
Title

Received  
Office of Oil & Gas  
Date 9/20/14  
NOV 20 2014

Topo Quad: Oxford 7.5'

Scale: 1" = 2000'

County: Doddridge

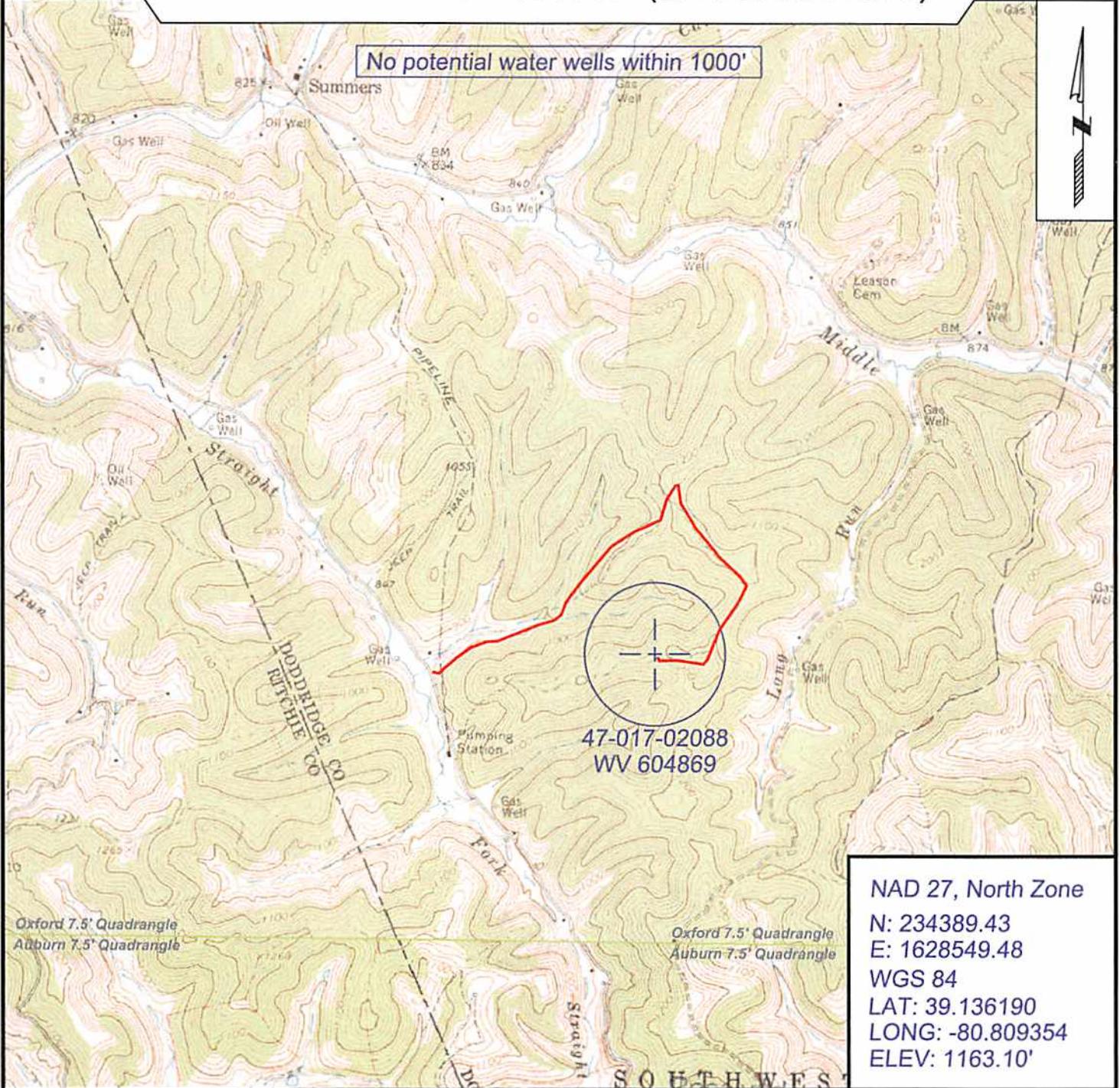
Date: September 29, 2014

District: South West

Project No: 67-30-00-08

Water

47-017-02088 WV 604869 (J. Leeson #4869)



SURVEYING AND MAPPING SERVICES PERFORMED BY:  
**ALLEGHENY SURVEYS, INC.**

1-800-482-8606  
237 Birch River Road  
Birch River, WV 26610  
PH: (304) 649-8606  
FAX: (304) 649-8608

PREPARED FOR:  
**Office of Oil & Gas**  
**EQT Production Company**

NOV 20 2014

P.O. Box 280  
Bridgeport, WV 26330

1702088P



## POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY  
LEASE NAME AND WELL No. J. Leeson #4869 - WV 604869 - API No. 47-017-02088

### POTENTIAL SAMPLE LOCATIONS

There appears to be no known water samples within the required 1000' of the existing well WV 604869.

Received  
Office of Oil & Gas  
NOV 20 2014

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